

place of gasoline and food-weight lost or go up so high we would freeze to death. And the ocean is full of ideal ballast—water."

Wellman's equilibrator (cans of gasoline strung into a line and dragged through the waves) was clumsy.

Vaniman now proposes to fill the emptied gasoline tanks built under the floor of the car) with sea water, and also emergency tanks in case great expansion of gas occurs. The hydrolevator will do this. It consists of a series of six galvanized iron buckets, the cone-shaped bottom of one fitting into the neck of its neighbor, strung together and dropped into the sea and hoisted to the ship by a donkey engine. The buckets are emptied by hand.

The "Akron" has two sets of big propellers, quite close together a little forward of amidships. The second pair may be turned by a lever so as to propel the ship up, down or straight ahead. The total of 280 horsepower, three engines, may be set to work turning the four propellers.

"I want to make three trial flights in perfect weather conditions," said Vaniman. "That will tune her up. And we'll know then absolutely whether the ship will do the work. The airship represents an investment of \$100,000 and we don't propose to throw it away.

"My plan is this. You know storm centers pull the winds towards themselves.

"We will wait for a storm, wait

until the storm center has traveled a day out to sea, then put out and chase it.

"One storm center I observed went 800 miles the first day, 1,200 the next and the third day it was over Ireland. With our power and driven by winds we ought to follow very close."

REPORT VANIMAN'S SHIP ON BANK OR IN WATER

Life Saving Boats Started Out to Lend Assistance—Machinery Had Been Working Fine Previous to Descent of Craft.

Atlantic City, N. J., Nov. 4.—Melvin Vaniman's dirigible balloon "Akron" after a trip over the ocean, steered North of this place and descended low down towards the water in Grassy Bay, five miles from here. Men stationed at the life-saving station report that from their position the balloon appears to be in the water, or resting on the mud banks. Only the top of the air-ship can be seen.

Boats have started for the ship to give assistance if it is needed.

Until its descent the machinery appeared to be working splendidly, and the balloon seemed to be under excellent control.

Just before the ropes were cast off there was a christening ceremony and the dirigible was named "Akron," after the city from which comes J. C. Seiberling, who is Vaniman's financial backer.

In the car of the "Akron" besides Vaniman, were Captain